



IFWO

RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/10/713,978A

TIME: 11:19:18

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\08262004\J713978A.raw

4 <110> APPLICANT: Yaffe, Michael B.
 5 Elia, Andrew E. H.
 6 Rellos, Peter
 7 Cantley, Lewis C.
 8 Smerdon, Stephen J.
 9 Mancke, Isaac
 11 <120> TITLE OF INVENTION: PRODUCTS AND PROCESSES FOR MODULATING
 12 PEPTIDE-PEPTIDE BINDING DOMAIN INTERACTIONS
 15 <130> FILE REFERENCE: 01997/545003
 17 <140> CURRENT APPLICATION NUMBER: 10/713,978A
 18 <141> CURRENT FILING DATE: 2003-11-14
 20 <150> PRIOR APPLICATION NUMBER: US 60/487,899
 21 <151> PRIOR FILING DATE: 2003-07-17
 23 <150> PRIOR APPLICATION NUMBER: US 60/485,641
 24 <151> PRIOR FILING DATE: 2003-07-08
 26 <150> PRIOR APPLICATION NUMBER: US 60/426,132
 27 <151> PRIOR FILING DATE: 2002-11-14
 29 <160> NUMBER OF SEQ ID NOS: 95
 31 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 603
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Homo sapiens
 38 <400> SEQUENCE: 1
 39 Met Ser Ala Ala Val Thr Ala Gly Lys Leu Ala Arg Ala Pro Ala Asp
 40 1 5 10 15
 41 Pro Gly Lys Ala Gly Val Pro Gly Val Ala Ala Pro Gly Ala Pro Ala
 42 20 25 30
 43 Ala Ala Pro Pro Ala Lys Glu Ile Pro Glu Val Leu Val Asp Pro Arg
 44 35 40 45
 45 Ser Arg Arg Arg Tyr Val Arg Gly Arg Phe Leu Gly Lys Gly Gly Phe
 46 50 55 60
 47 Ala Lys Cys Phe Glu Ile Ser Asp Ala Asp Thr Lys Glu Val Phe Ala
 48 65 70 75 80
 49 Gly Lys Ile Val Pro Lys Ser Leu Leu Leu Lys Pro His Gln Arg Glu
 50 85 90 95
 51 Lys Met Ser Met Glu Ile Ser Ile His Arg Ser Leu Ala His Gln His
 52 100 105 110
 53 Val Val Gly Phe His Gly Phe Phe Glu Asp Asn Asp Phe Val Phe Val
 54 115 120 125
 55 Val Leu Glu Leu Cys Arg Arg Arg Ser Leu Leu Glu Leu His Lys Arg
 56 130 135 140
 57 Arg Lys Ala Leu Thr Glu Pro Glu Ala Arg Tyr Tyr Leu Arg Gln Ile

(ps. 6)

ENTERED

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```

58 145          150          155          160
59 Val Leu Gly Cys Gln Tyr Leu His Arg Asn Arg Val Ile His Arg Asp
60          165          170          175
61 Leu Lys Leu Gly Asn Leu Phe Leu Asn Glu Asp Leu Glu Val Lys Ile
62          180          185          190
63 Gly Asp Phe Gly Leu Ala Thr Lys Val Glu Tyr Asp Gly Glu Arg Lys
64          195          200          205
65 Lys Thr Leu Cys Gly Thr Pro Asn Tyr Ile Ala Pro Glu Val Leu Ser
66          210          215          220
67 Lys Lys Gly His Ser Phe Glu Val Asp Val Trp Ser Ile Gly Cys Ile
68 225          230          235          240
69 Met Tyr Thr Leu Leu Val Gly Lys Pro Pro Phe Glu Thr Ser Cys Leu
70          245          250          255
71 Lys Glu Thr Tyr Leu Arg Ile Lys Lys Asn Glu Tyr Ser Ile Pro Lys
72          260          265          270
73 His Ile Asn Pro Val Ala Ala Ser Leu Ile Gln Lys Met Leu Gln Thr
74          275          280          285
75 Asp Pro Thr Ala Arg Pro Thr Ile Asn Glu Leu Leu Asn Asp Glu Phe
76          290          295          300
77 Phe Thr Ser Gly Tyr Ile Pro Ala Arg Leu Pro Ile Thr Cys Leu Thr
78 305          310          315          320
79 Ile Pro Pro Arg Phe Ser Ile Ala Pro Ser Ser Leu Asp Pro Ser Asn
80          325          330          335
81 Arg Lys Pro Leu Thr Val Leu Asn Lys Gly Leu Glu Asn Pro Leu Pro
82          340          345          350
83 Glu Arg Pro Arg Glu Lys Glu Glu Pro Val Val Arg Glu Thr Gly Glu
84          355          360          365
85 Val Val Asp Cys His Leu Ser Asp Met Leu Gln Gln Leu His Ser Val
86          370          375          380
87 Asn Ala Ser Lys Pro Ser Glu Arg Gly Leu Val Arg Gln Glu Glu Ala
88 385          390          395          400
89 Glu Asp Pro Ala Cys Ile Pro Ile Phe Trp Val Ser Lys Trp Val Asp
90          405          410          415
91 Tyr Ser Asp Lys Tyr Gly Leu Gly Tyr Gln Leu Cys Asp Asn Ser Val
92          420          425          430
93 Gly Val Leu Phe Asn Asp Ser Thr Arg Leu Ile Leu Tyr Asn Asp Gly
94          435          440          445
95 Asp Ser Leu Gln Tyr Ile Glu Arg Asp Gly Thr Glu Ser Tyr Leu Thr
96          450          455          460
97 Val Ser Ser His Pro Asn Ser Leu Met Lys Lys Ile Thr Leu Leu Lys
98 465          470          475          480
99 Tyr Phe Arg Asn Tyr Met Ser Glu His Leu Leu Lys Ala Gly Ala Asn
100          485          490          495
101 Ile Thr Pro Arg Glu Gly Asp Glu Leu Ala Arg Leu Pro Tyr Leu Arg
102          500          505          510
103 Thr Trp Phe Arg Thr Arg Ser Ala Ile Ile Leu His Leu Ser Asn Gly
104          515          520          525
105 Ser Val Gln Ile Asn Phe Phe Gln Asp His Thr Lys Leu Ile Leu Cys
106          530          535          540

```

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```

107 Pro Leu Met Ala Ala Val Thr Tyr Ile Asp Glu Lys Arg Asp Phe Arg
108 545                550                555                560
109 Thr Tyr Arg Leu Ser Leu Leu Glu Glu Tyr Gly Cys Cys Lys Glu Leu
110                565                570                575
111 Ala Ser Arg Leu Arg Tyr Ala Arg Thr Met Val Asp Lys Leu Leu Ser
112                580                585                590
113 Ser Arg Ser Ala Ser Asn Arg Leu Lys Ala Ser
114                595                600

```

117 <210> SEQ ID NO: 2

118 <211> LENGTH: 7

119 <212> TYPE: PRT

120 <213> ORGANISM: Homo sapiens

122 <220> FEATURE:

123 <221> NAME/KEY: VARIANT

124 <222> LOCATION: 1

125 <223> OTHER INFORMATION: Xaa = Pro or Phe

127 <221> NAME/KEY: VARIANT

128 <222> LOCATION: 2

129 <223> OTHER INFORMATION: Xaa = Pro or any Hydrophobic acid

W--> 131 <221> VARIANT

132 <222> LOCATION: 3

133 <223> OTHER INFORMATION: Xaa = Ala, Gln or any hydrophobic amino acid

W--> 135 <221> VARIANT

136 <222> LOCATION: 4

137 <223> OTHER INFORMATION: Xaa = Thr, Gln, His or Met

W--> 139 <221> VARIANT

140 <222> LOCATION: 6

141 <223> OTHER INFORMATION: Xaa = phosphorylated Thr or phosphorylated Ser

W--> 143 <221> VARIANT

144 <222> LOCATION: 7

145 <223> OTHER INFORMATION: Xaa = Pro or any amino acid

W--> 147 <400> 2

W--> 148 Xaa Xaa Xaa Xaa Ser Xaa Xaa

149 1 5

152 <210> SEQ ID NO: 3

153 <211> LENGTH: 15

154 <212> TYPE: PRT

155 <213> ORGANISM: Homo sapiens

157 <220> FEATURE:

158 <221> NAME/KEY: MOD_RES

159 <222> LOCATION: 8

160 <223> OTHER INFORMATION: Threonine at position 8 is phosphorylated

161 Threonine

163 <400> SEQUENCE: 3

164 Met Ala Gly Pro Met Gln Ser Thr Pro Leu Asn Gly Ala Lys Lys

165 1 5 10 15

168 <210> SEQ ID NO: 4

169 <211> LENGTH: 685

170 <212> TYPE: PRT

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171 <213> ORGANISM: Homo sapiens

173 <400> SEQUENCE: 4

```

174 Met Glu Leu Leu Arg Thr Ile Thr Tyr Gln Pro Ala Ala Ser Thr Lys
175 1 5 10 15
176 Met Cys Glu Gln Ala Leu Gly Lys Gly Cys Gly Gly Asp Ser Lys Lys
177 20 25 30
178 Lys Arg Pro Pro Gln Pro Pro Glu Glu Ser Gln Pro Pro Gln Ser Gln
179 35 40 45
180 Ala Gln Val Pro Pro Ala Ala Pro His His His His His His Ser His
181 50 55 60
182 Ser Gly Pro Glu Ile Ser Arg Ile Ile Val Asp Pro Thr Thr Gly Lys
183 65 70 75 80
184 Arg Tyr Cys Arg Gly Lys Val Leu Gly Lys Gly Gly Phe Ala Lys Cys
185 85 90 95
186 Tyr Glu Met Thr Asp Leu Thr Asn Asn Lys Val Tyr Ala Ala Lys Ile
187 100 105 110
188 Ile Pro His Ser Arg Val Ala Lys Pro His Gln Arg Glu Lys Ile Asp
189 115 120 125
190 Lys Glu Ile Glu Leu His Arg Ile Leu His His Lys His Val Val Gln
191 130 135 140
192 Phe Tyr His Tyr Phe Glu Asp Lys Glu Asn Ile Tyr Ile Leu Leu Glu
193 145 150 155 160
194 Tyr Cys Ser Arg Arg Ser Met Ala His Ile Leu Lys Ala Arg Lys Val
195 165 170 175
196 Leu Thr Glu Pro Glu Val Arg Tyr Tyr Leu Arg Gln Ile Val Ser Gly
197 180 185 190
198 Leu Lys Tyr Leu His Glu Gln Glu Ile Leu His Arg Asp Leu Lys Leu
199 195 200 205
200 Gly Asn Phe Phe Ile Asn Glu Ala Met Glu Leu Lys Val Gly Asp Phe
201 210 215 220
202 Gly Leu Ala Ala Arg Leu Glu Pro Leu Glu His Arg Arg Arg Thr Ile
203 225 230 235 240
204 Cys Gly Thr Pro Asn Tyr Leu Ser Pro Glu Val Leu Asn Lys Gln Gly
205 245 250 255
206 His Gly Cys Glu Ser Asp Ile Trp Ala Leu Gly Cys Val Met Tyr Thr
207 260 265 270
208 Met Leu Leu Gly Arg Pro Pro Phe Glu Thr Thr Asn Leu Lys Glu Thr
209 275 280 285
210 Tyr Arg Cys Ile Arg Glu Ala Arg Tyr Thr Met Pro Ser Ser Leu Leu
211 290 295 300
212 Ala Pro Ala Lys His Leu Ile Ala Ser Met Leu Ser Lys Asn Pro Glu
213 305 310 315 320
214 Asp Arg Pro Ser Leu Asp Asp Ile Ile Arg His Asp Phe Phe Leu Gln
215 325 330 335
216 Gly Phe Thr Pro Asp Arg Leu Ser Ser Ser Cys Cys His Thr Val Pro
217 340 345 350
218 Asp Phe His Leu Ser Ser Pro Ala Lys Asn Phe Phe Lys Lys Ala Ala
219 355 360 365
220 Ala Ala Leu Phe Gly Gly Lys Lys Asp Lys Ala Arg Tyr Ile Asp Thr

```

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```

221      370      375      380
222 His Asn Arg Val Ser Lys Glu Asp Glu Asp Ile Tyr Lys Leu Arg His
223 385      390      395      400
224 Asp Leu Lys Lys Thr Ser Ile Thr Gln Gln Pro Ser Lys His Arg Thr
225      405      410      415
226 Asp Glu Glu Leu Gln Pro Pro Thr Thr Thr Val Ala Arg Ser Gly Thr
227      420      425      430
228 Pro Ala Val Glu Asn Lys Gln Gln Ile Gly Asp Ala Ile Arg Met Ile
229      435      440      445
230 Val Arg Gly Thr Leu Gly Ser Cys Ser Ser Ser Ser Glu Cys Leu Glu
231      450      455      460
232 Asp Ser Thr Met Gly Ser Val Ala Asp Thr Val Ala Arg Val Leu Arg
233 465      470      475      480
234 Gly Cys Leu Glu Asn Met Pro Glu Ala Asp Cys Ile Pro Lys Glu Gln
235      485      490      495
236 Leu Ser Thr Ser Phe Gln Trp Val Thr Lys Trp Val Asp Tyr Ser Asn
237      500      505      510
238 Lys Tyr Gly Phe Gly Tyr Gln Leu Ser Asp His Thr Val Gly Val Leu
239      515      520      525
240 Phe Asn Asn Gly Ala His Met Ser Leu Leu Pro Asp Lys Lys Thr Val
241      530      535      540
242 His Tyr Tyr Ala Glu Leu Gly Gln Cys Ser Val Phe Pro Ala Thr Asp
243 545      550      555      560
244 Ala Pro Glu Gln Phe Ile Ser Gln Val Thr Val Leu Lys Tyr Phe Ser
245      565      570      575
246 His Tyr Met Glu Glu Asn Leu Met Asp Gly Gly Asp Leu Pro Ser Val
247      580      585      590
248 Thr Asp Ile Arg Arg Pro Arg Leu Tyr Leu Leu Gln Trp Leu Lys Ser
249      595      600      605
250 Asp Lys Ala Leu Met Met Leu Phe Asn Asp Gly Thr Phe Gln Val Asn
251      610      615      620
252 Phe Tyr His Asp His Thr Lys Ile Ile Ile Cys Ser Gln Asn Glu Glu
253 625      630      635      640
254 Tyr Leu Leu Thr Tyr Ile Asn Glu Asp Arg Ile Ser Thr Thr Phe Arg
255      645      650      655
256 Leu Thr Thr Leu Leu Met Ser Gly Cys Ser Ser Glu Leu Lys Asn Arg
257      660      665      670
258 Met Glu Tyr Ala Leu Asn Met Leu Leu Gln Arg Cys Asn
259      675      680      685
262 <210> SEQ ID NO: 5
263 <211> LENGTH: 607
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 5
268 Met Leu Ala Gly Leu Pro Thr Ser Asp Pro Gly Arg Leu Ile Thr Asp
269 1      5      10      15
270 Pro Arg Ser Gly Arg Thr Tyr Leu Lys Gly Arg Leu Leu Gly Lys Gly
271      20      25      30
272 Gly Phe Ala Arg Cys Tyr Glu Ala Thr Asp Thr Glu Thr Gly Ser Ala

```

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 1,2,3,4,6,7 ✓
Seq#:6; Xaa Pos. 1,2,3,4,6,7
Seq#:8; Xaa Pos. 1,2,3,4
Seq#:9; Xaa Pos. 1,2,3,4,5,6,7
Seq#:10; Xaa Pos. 4
Seq#:11; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:12; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:13; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:14; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:15; Xaa Pos. 7,8,10,13,14,15,16
Seq#:16; Xaa Pos. 7,8,10,13,14,15,16
Seq#:17; Xaa Pos. 7,8,9,10,12,13,14,15,16
Seq#:18; Xaa Pos. 7,8,9,10,12,13,14,15,16
Seq#:21; Xaa Pos. 7,8,10,13,14,15,16
Seq#:22; Xaa Pos. 7,8,10,13,14,15,16
Seq#:23; Xaa Pos. 7,8,9,11,13,14,15
Seq#:24; Xaa Pos. 7,8,9,10,12,13,14,15,16
Seq#:25; Xaa Pos. 7,8,9,10,12,13,14,15,16
Seq#:30; Xaa Pos. 2,3
Seq#:31; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:32; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:33; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:34; Xaa Pos. 3,4,5,8,9,10
Seq#:35; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:36; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:38; Xaa Pos. 1,2,3,4,6,7
Seq#:40; Xaa Pos. 7,8,9,10,13,14,15,16
Seq#:41; Xaa Pos. 7,8,9,10,13,14,15,16
Seq#:42; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:43; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:44; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:45; Xaa Pos. 3,4,5,8,9,10
Seq#:46; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:47; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:48; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:49; Xaa Pos. 3,4,5,6,9,10,11,12
Seq#:50; Xaa Pos. 7,8,9,10,13,14,15,16
Seq#:51; Xaa Pos. 7,8,10,13,14,15,16
Seq#:53; Xaa Pos. 3,4,5,7,10,11,12
Seq#:54; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:55; Xaa Pos. 3,4,5,6,8,9,10,11,12
Seq#:56; Xaa Pos. 3,4,5,6,7,9,10,11,12
Seq#:57; Xaa Pos. 7,8,9,10,11,13,14,15,16
Seq#:58; Xaa Pos. 7,8,9,10,11,13,14,15,16

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Input Set : A:\seqlist.txt
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Seq#:59; Xaa Pos. 3,4,5,7,9,10,11
Seq#:60; Xaa Pos. 3,4,5,6,8,9,10,11
Seq#:61; Xaa Pos. 3,4,5,6,8,9,10,11,12
Seq#:64; Xaa Pos. 4

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:41; Line(s) 1788

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Input Set : A:\seqlist.txt

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131 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
143 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
360 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
364 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
368 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
372 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
376 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
414 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
418 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
437 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
441 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
445 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
449 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
453 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
457 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
491 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
510 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
529 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
601 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
668 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
689 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
710 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
715 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
736 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
757 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25

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Input Set : A:\seqlist.txt

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L:761 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:1570 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:1571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1589 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:1590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1608 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:1609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1627 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:1628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1646 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:1647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1665 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35
L:1666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1684 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:1685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1692 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (37) SEQUENCE:
L:1709 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1714 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1718 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1723 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1727 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1761 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:1766 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:1770 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:1771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1792 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41
L:1797 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41
L:1798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1818 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1837 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1856 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1875 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:1876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1894 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46
L:1895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1913 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
L:1914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1932 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:48
L:1933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1951 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:49
L:1952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1970 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50
L:1975 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50
L:1979 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50

VERIFICATION SUMMARY

DATE: 08/26/2004

PATENT APPLICATION: US/10/713,978A

TIME: 11:19:19

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\08262004\J713978A.raw

L:1980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:2000 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:2005 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:2006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:2042 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
L:2046 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
L:2051 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
L:2052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:2070 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:2089 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:55
L:2090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:2109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:56
L:2113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:56
L:2118 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:56
L:2119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:2137 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
L:2142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
L:2146 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
L:2151 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
L:2152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:2173 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:58
L:2177 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:58
L:2182 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:58
L:2186 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:58
L:2187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:2209 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:59
L:2214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:59
L:2218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:59
L:2219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:2237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60
L:2238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:2256 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:61
L:2257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:2297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0